

Federal Network for Sustainability



Demonstrating Federal Leadership in the Western United States

Environmental Purchasing and Practices Conference
Greening Government and Business
July 18, 2002
Honolulu, Hawaii

Statement of Unity Signed Earth Day, 2000



- Signed by the western regional offices of these agencies:
- EPA, 2 Regions
- NPS, 3 Regions
- GSA, 2 Regions
- US Navy
- US Air Force
- US Army
- US Army Corps of Engineers
- US Dept. of Energy
- BPA
- NASA
- US Postal Service

Why 'Sustainability?'



- Creates a **Long Term Approach** to environmental protection and process improvements
- **Prevents Pollution** from the start
- Calls for **Systems Thinking**, (e.g. the inter-connectedness of the economy, environment, social and national security concerns).
- Helps identify a **Strategy or Framework**
- **Leverages Scarce Resource\$**

Purpose of the Federal Network for Sustainability

- **Leadership!**
- **Develop and Coordinate** Network
- **Create and Manage** an information-sharing clearinghouse
- **Develop and Deliver** training for network members



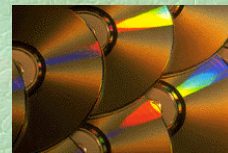
Purpose of the Federal Network for Sustainability, Cont.

- **Communicate Ideas** through conferences and meetings
- **Seek Linkages and Partnerships**
- **Develop and Showcase** Sustainable Programs
- Act as a **Catalyst for Change**



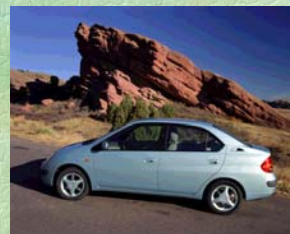
FNS Members Tim Scanlon (BPA), Steve Butterworth (NPS), & Curtis Framel (DOE) at the Lake Mead Entrance Station

Primary Area of Focus



- **Using the Power of Government as Consumer!**

The United States government is the world's **largest** purchaser of consumer products and services.



Four Initiatives of FNS....



■ Copy Paper



■ Electronics Stewardship



■ Use of EMS Plans

■ Purchasing Green Energy
Alternate Fuels



Greener Copier Paper Initiative Why Paper - It's Everywhere!

- 42% of wood harvested goes to making paper
- 10,000 sheets of copy paper is used by an average worker yearly
- In 1997, the Federal Government purchased roughly 18.1 billion sheets
- Indirect costs for paper can exceed initial costs by 10x
- The Pulp and Paper industry is the 2nd largest consumer of energy and uses more water to produce a ton of product than any other industry
- Paper accounts for 38% of municipal solid waste generated annually in the US



Greener Copier Paper Initiative Goals and Progress...

- Raise awareness of environmental issues concerning copier paper
- Create the capability to reduce copier paper use
- Make greener paper more available and less costly
- Make green purchasing easy to implement
- Generate meaningful and measurable results that others can replicate, e.g. six agencies converting to greener paper



Electronics Stewardship Initiative

- Federal government is the world's largest consumer spending
 - \$200 billion annually in direct purchases, a portion of which is electronics
 - \$240 billion annually in grants, a portion of which is electronics
- Only about 5% of electronics are currently recycled.
- Contain toxic materials, are hard to recycle, and are the fastest growing waste stream.



Goals of FNS Electronics Initiative:

- Working to develop **greener purchasing specifications**.
- **Coordinating among federal agencies** to promote greener use and end-of-life management of electronics
- **Working with the White House Task Force on Recycling** to support the MOU on Electronics through pilot projects.
- **Educating Federal Agencies** on greener electronics practices



Green Power & Alternative Fuels Initiative



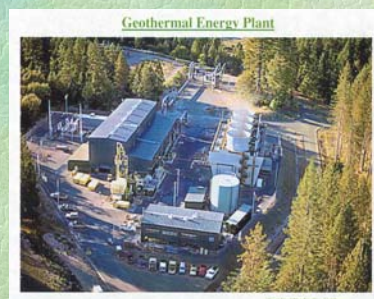
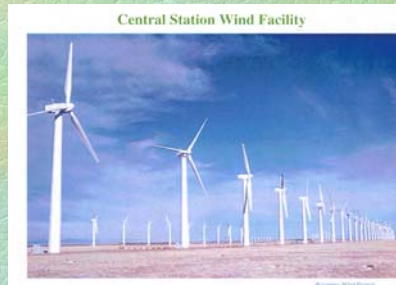
- Purchasing electricity and fuels generated from renewable resources, including solar, wind, geothermal, biomass/biodiesel, and landfill gas.
 - New initiative underway to aggregate federal demand and facilitate purchases of "green tags" or Renewable Energy Credits
 - New initiative under development to promote the purchase of Alternative Fueled Vehicles



Photo courtesy of Mike Nelson, WSU Energy Policy Office

Green Power & Alternative Fuels, Cont.

- FNS has a three-pronged approach to green power:
 - On-site development of renewable energy technologies
 - Procurement of green power
 - Procurement of green tags or “renewable energy credits”



FNS Member Green Power Purchases

<u>Federal Agency</u>	<u>Location</u>	<u>Amount</u>	<u>Resource</u>
EPA	Manchester, WA	3.3 million kWh	Wind (green tags)
EPA	Richmond, CA	1.8 million kWh	Landfill Gas/Geothermal (tags)
US Postal Service	California	30 million kWh	Geothermal/Biomass/Small Hydro
Bonneville Power	Portland, OR	0.55 million kWh	Wind

FNS Member Purchases Support E.O. 13123

“Greening the Government Through Efficient Energy Management”

- Section 404 Electricity Use
 - Include green power provisions in RFP’s “whenever procuring electricity”
 - Can use energy efficiency savings to pay premium
- Renewables Goal: 2.5% by 2005
 - “Renewable energy” means energy produced by solar, wind, geothermal, and biomass power
 - Credit towards EE goals

Alternative Fuel Vehicles and Hybrids Purchases

- **FNS is currently developing an initiative to support the purchase of AFV's and Hybrids**

- Solidifying partnerships with state and local governments in the west to leverage the buying power of government entities and bring down the cost of AFV's



Environmental Management Systems Initiative - Purpose

- To fully support Executive Orders
- Provide Education and Training on EMS principles
- Share information among federal agencies on experiences learned
- Promote implementation of EMSs at member agencies

FNS Member Showcase: NASA Integrated Vegetation Management Program

- NASA Ames Research Center developed an Integrated Vegetative Management Program comprised of:
 - utilizing native vegetation
 - utilizing goats to control “stubborn vegetation”
 - adjusting the timing and height of turf and field mowings
 - utilizing the least toxic herbicides which are biodegradable
- The IVM program has reduced pesticide and herbicide use at the facility by 97%



FNS Member Showcase: Ft. Lewis Installation Sustainability Program



- **The Objective** – A Sustainable Installation that Supports Sustainable Operations
- **The Approach:**
 - Begin with Environmental Issues
 - Establish Environmental Baseline Document
 - Host Environmental Sustainability Workshop (Feb 2002)
 - Involve Stakeholders
 - Establish 25-year goals
 - Develop 5-year implementation plans
 - Establish Installation Sustainability Board

FNS Member Showcase: Environmentally Preferable Purchasing/Green Meetings



- FNS is highlighting and encouraging agencies to use the US EPA Environmentally Preferable Purchasing (EPP) program resources

www.epa.gov/oppt/epp

There are over 27 ongoing/completed Federal projects to learn from numerous product/service categories -- from building materials, to custodial services and office equipment to cleaners FNS members can leverage lessons and expertise to initiate their own projects

- Green Conferences and Travel projects are being developed in consultation with EPA

www.epa.gov/oppt/greenmeetings/



What is DoD's Environmental Program?



- ◆ Technology
- ◆ Cleanup
- ◆ Compliance
- ◆ Pollution Prevention
- ◆ Conservation
- ◆ Pest Management



Future Directions

- ◆ **Environmental Management Systems**
- ◆ **Water**
 - ◆ Waste Water
 - ◆ Drinking Water
- ◆ **Greening the Government Executive Orders**
- ◆ **Alternative Fueled Vehicles**
- ◆ **Recycling & Affirmative Procurement**




Environmental Management Systems

1 of the Top 3 Priorities for DoD's Environmental Program

- ◆ **White House Council on Environmental Quality Priority**
- ◆ **Office of Management and Budget & Council on Environmental Quality Memo signed April 1, 2002**
 - "Federal Government must be a leader"
- ◆ **DoD Policy Signed April 5, 2002**
- ◆ **Military Departments' Policy Issued**
- ◆ **Not Just an environmental staff responsibility**
- ◆ **Need to reach out to all functions & missions**

Where are you?



Greening the Government Executive Orders

- ★ All are here to stay
- ★ CEQ and OMB Memo
- ★ The President appointed a Federal Environmental Executive to oversee all Greening the Government Executive Orders

13101	Greening the Government Through Waste Prevention, Recycling, and Federal Acquisition
13148	Greening the Government through Environmental Leadership in Environmental Management
13149	Greening the Government through Federal Fleet & Transportation Efficiency



Recycling & Affirmative Procurement

Solid Waste/Recycling

- ◆ Focus on Reducing solid waste generation, not just recycling
- ◆ Get Involved in Writing Contracts – Construction, Renovation, Solid Waste Management
- ◆ Look at Total Cost of Solid Waste Management

Affirmative Procurement

- ◆ Need to focus on awareness & training
- ◆ Lots of Green Products available – Buy Them
- ◆ Revised the DD Form 250 – No More Data Calls!

Why are We Doing These Things?

- RCRA Section 6002
- Pollution Prevention Act of 1990
- Energy Policy Act of 1992
- Federal Acquisition Regulations (FAR)
- Executive Orders “Greening Government”
- Individual Agency/Departmental policies
- Cost savings
- It’s the Right Thing To Do!

Upcoming FNS Events:

- Check our website for current list of upcoming events:

www.FederalSustainability.org

Benefits of Participation in FNS Activities....

- Leadership and Peer Recognition
- Direct Cost Savings -- Often with Superior Performance
- Sharing and Networking
- Progress Towards Implementation of Executive Orders
- Reduced Bureaucracy by leveraging resources
- Access to Existing Expertise
- Shared Training and Coordination with Federal Agencies
- Increased Employee Enthusiasm and Support

How to Get Involved

- Contact Al Hurt, FNS Chairman, US Navy at (619) 524-6253, Hurt.Alan.C@asw.cnrsw.navy.mil
- Attend FNS supported Conferences, Meetings and Trainings
- Sign the Statement of Unity
- Join our email listserv
- Tell us your success stories, and we'll help you get the word out to others!

**...greater environmental
responsibility in natural resource
stewardship across all of society,
along with successful integration of
environmental, economic, and social
objectives.”**

EPA Innovation Strategy, April 2002

